



**California Energy Commission  
Staff Workshop Agenda**

**Energy Storage Technologies and Policies Needed to Support  
California's Renewable Portfolio Standard (RPS) Goals of 2020**

**Thursday April 2, 2009 – 10:00am**

**AGENDA**

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|-------------|--|-------------------|
| <b>I.</b>   | <b>Introduction</b>  | <b>10 minutes</b> |
|             | a. California Energy Commission (Mike Gravely)   |                   |
|             | b. California Public Utilities Commission (Kevin Dudney)   |                   |
| <b>II.</b>  | <b>Energy Storage Technologies Overview</b>  | <b>30 minutes</b> |
|             | a. Electric Power Research Institute (Dan Rastler)   |                   |
|             | b. California Energy Commission  |                   |
| <b>III.</b> | <b>Panel #1: Utilities, Independent Power Producers and Grid Related Agencies</b>  |                   |
|             | <b>Panel Discussion:</b>   | <b>60 minutes</b> |
|             | <ul style="list-style-type: none"><li>• How can the application of energy storage technologies help California meet the RPS of 2020?</li><li>• What can the utilities, independent power producers, regulators and others institutional element of California do to help increase the opportunity for energy storage systems to be applied on the California Grid?</li></ul> |                   |
|             | 1. California Independent System Operator (Walt Johnson)   |                   |
|             | 2. Pacific Gas & Electric (Jon Eric Thalman)   |                   |
|             | 3. Southern California Edison (Michael Montoya)  |                   |
|             | 4. Sacramento Municipal Utility District (Mark Rawson)   |                   |

5. Electric Power Research Institute (Dan Rastler)
6. KEMA (utility researcher for energy storage) (Richard Fioravanti)
7. Megawatt Storage Farms (Independent Power Producer) (Ed Cazalet)
8. San Diego Gas & Electric (Tom Bialek)

**IV. Open Discussion 20 minutes**

**V. Lunch Break 60 minutes**

**VI. Panel #2: Manufactures, system integrators, and other energy storage technology providers**

**Panel Discussion: 60 minutes**

- How can the application of energy storage technologies help California meet the RPS of 2020?
- What can the manufactures, system integrators, and other energy storage technology providers do to increase the opportunity for energy storage systems to be applied on the California Grid?

1. Prudent Energy representing Vanadium Redox Battery (VRB) technology (Charles Toca)
2. Sodium Sulfur (NaS) technology (Harold Gotschall)
3. Zinc Bromine Battery (ZBB) technology (Rob Parry)
4. Beacon Flywheels (Chet Lyons)
5. California Energy Storage Alliance (Janice Lin)
6. ICE Energy

**VII. Public Comments 45 minutes**

**VIII. Recommended Actions for Energy Commission 15 minutes**

**IX. Closing Comments 15 minutes**

**Adjourn**